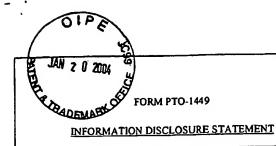
				•	ATTY. DOCKET NO. 0609.4560003/KRM/I	DJN	APPLICATION NO. 10/623,813	
	F	ORM P	rO-1449		FIRST NAMED INVENT	OR		
FIRST SLIPPI	FMFNT	AL INF	ORMATIO	N DISCLOSURE	Li et al. FILING DATE		ART UNIT , , , , ,	
TINOT COLLE		STATE	MENT		July 22, 2003		1645 164	<u> </u>
				U.S. PA	TENT DOCUMENTS	_		
XAMINER			JMENT	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
NITIAL	AA	NUME	DER	DATE	TAVIALE	102.00	000 02.00	1.10
TPE	,,,,			1				
9	AB							1
1 7 2004 0	1	-						<del> </del>
E C	AC	ŀ						
	AD	<del>                                     </del>			•			
THADENAR!		ļ						
	AE			-	•			
	AF	<del> </del>		<del>- </del>				
	AG					1		
	AH	$\vdash$				<del></del>		
•								
	Al		<del></del>					
<u>•                                      </u>		ļ.—						-
	AJ	1						•
	AK	<u> </u>						
	<u> </u>	1	<u> </u>	<u> </u>				1
-VALUED		Inaci	JMENT	FOREIGN	PATENT DOCUMEN	13		<del></del>
XAMINER NITIAL		NUM		DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATIO
	AL	+-						-
	AM	0						
	AN_	-		-				
	AO							
						•		
	AP	l		6 1 1 1 1 1	- Title Dete Desir	Danie Banas s	<u> </u>	
			OTHER	including Auth	or, Title, Date, Pertin	ent Pages, e	(6.)	
auch	AR	<u>20</u>	Okano, M DNA in er (June 199	mbryonic stem c	is not required for de ells," <i>Nucl. Acids Res.</i>	<i>novo</i> and ma . 26:2536-254	intenance methyl 0, Oxford Univer	lation of viral sity Press
amh	AS	<u>20</u>	Pradhan, murine D (Novemb	NA methyltransf	lovirus-mediated expre erase," <i>Nucl. Acids Re</i>	ession and ches. 25:4666-4	aracterization of 673, Oxford Univ	the full-lengt versity Press
	AT							
EXAMINER		1 40	aure			DA	TE CONSIDERED	2000

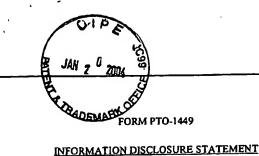


APPLICATION NO. ATTY. DOCKET NO. 0609.4560003/JAG/KRM/DJN 10/623,813 APPLICANT

Li et al.

FILING DATE July 22, 2003

	CUMENT							SU DIG DATE
EXAMINER INITIAL		DOCU	MENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
and	AA1	5,578,7	16	11/26/1996	Szyf et al.			12/01/1993
<u> </u>	ABI	6,183,9	68 B1	02/06/2001	Bandman et al.			03/25/1999
V	AC1	6,492,1	68 B1	12/10/2002	Kladde et al.			04/22/1999
	AD							<del> </del>
	AE							<u> </u>
	AF							<del>                                     </del>
	AG							
	AH			<b></b>				<del> </del>
	Al						<u> </u>	
	AJ_							<del> </del>
•	AK_		<u>.</u>				<u> </u>	<u>.</u>
FOREIGN PATE	NT DOC	JMENTS	·				T	<del></del>
EXAMINER							CIE CI ACC	TRANSLATION
NITIAL	ļ	DOCU	MENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	. Ye
amh	ALI	WO 92	/n.cog.s	04/30/1992	WIPO			N
	ALI	WU 32	700383	0.0301.552				Y
amh	AMI	WO 95	/14772	06/01/1995	WIPO			X V
						i		Y
	AN_	-			<del>- </del>			Y
	AO			İ				N
	TAO -	<del>                                     </del>						Y
	AP						<u> </u>	<u> </u>
OTHER (Includia	ng Author	, Title, D	ate, Pertinent Page	s, etc.)				
					es of de novo-type mouse DNA	A (autocine 5) methyl	transferaces * Nu	ri Acids Res.
a. (.	AR	1	Aoki, A., et al., "E: 29:3506-3512, Oxf	ord University Properties	ess (September 2001)	A (Cytosino-3) incary	and in the same of the same	
amh								
· · · · · ·								
			. 🖦					
1	Ariel, M., et al., "Gamete-specific methylation correlates with imprinting of the murine Xist gene," Nat. Genet. 9:							Genet. 9:312-315,
		I. I	Ariel, M., et al., "C	Minere-specific in	culy lation contenant with imp	rinting of the murine		
	AS	1	Ariel, M., et al., "C Nature Publishing	Group (1995)	cultivation contours with imp	rinting of the murine		
	AS	1	Ariel, M., et al., "C Nature Publishing	Group (1995)	culyiation consumer was mar	rinting of the murine		
	AS	1	Ariel, M., et al., "C Nature Publishing	Group (1995)		rinting of the murine		
	AS	1	Nature Publishing	Group (1995)	<u> </u>			
. (//			Nature Publishing	Group (1995)	ion of Proteins in Insect Cells	Using Baculoviral Ve	ectors," in Curren	t Protocols in
. ()	AS	1	Nature Publishing	Group (1995)	<u> </u>	Using Baculoviral Ve	ectors," in Curren	t Protocols in
. ()			Nature Publishing	Group (1995)	ion of Proteins in Insect Cells	Using Baculoviral Ve	ectors," in Curren	t Protocols in
EXAMINER ()	AT		Nature Publishing	Group (1995)  11., eds., "Expressi 1, Greene Publishi	ion of Proteins in Insect Cells	Using Baculoviral Ve	ectors," in Curren	t Protocols in



ATTY. DOCKET NO.
0609.4560003/JAG/KRM/DJN

APPLICANT
Li et al.

FILING DATE
July 22, 2003

APPLICATION NO.
10/623,813

APPLICATION NO.
10/623,813

July 22, 2003 SKOF Rav. L/95 U.S. PATENT DOCUMENTS **EXAMINER** SUB-CLASS FILING DATE CLASS NAME DOCUMENT NUMBER DATE INITIAL AA ΑB AC ΑD ΑE ΑF AG ΑH ΑI ΑJ ΑK FOREIGN PATENT DOCUMENTS **EXAMINER** TRANSLATION SUB-CLASS COUNTRY DATE DOCUMENT NUMBER INITIAL Yes No Yes No Yes No AN Yes No AO Yes No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Bachman, K.E., et al., "Dnmt3a and Dnmt3b Are Transcriptional Repressors That Exhibit Unique Localization Properties to Heterochromatin," J. Biol. Chem. 276:32282-32287, The American Society for Biochemistry and Molecular Biology, Inc. AR 2 (August 2001) Baylin, S.B., et al., "Alterations in DNA Methylation: A Fundamental Aspect of Neoplasia," Adv. Cancer Res. 72:141-196, AS 2 Academic Press (February 1998) Bestor, T., et al., "Cloning and Sequencing of a cDNA Encoding DNA Methyltransferase of Mouse Cells," J. Mol. Biol. ΑT 2 203:971-983, Academic Press (1988) EXAMINER () DATE CONSIDERED 16 13 2506

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not

considered. Include copy of this form with next communication to Applicant.

	Page 3 of 1
ATTY. DOCKET NO. 0609.4560003/JAG/KRM/DJN	APPLICATION NO. 10/623,813
APPLICANT Li et al.	
FILING DATE	GROUP To Bo-Assigned 1643

OLEMBO .					July 22, 2003		10 De nasigneu			
				T			1	<u> </u>		
EXAMINER INITIAL		DOCU	MENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA_				<u></u>		<b></b>	ļ		
	AB				<u> </u>			<b></b>		
·	AC									
	AD									
	AE							ļ <u> </u>		
-	AF						<b>_</b>	<del> </del>		
	AG			<u></u>	<u> </u>		<u> </u>	ļ. <u></u>		
	АН		-					ļ <del></del>		
	Al				·			ļ		
	AJ							<u> </u>		
	AK									
FOREIGN PATEN		IMENTS	3							
EXAMINER	1									
INITIAL		DOCU	MENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
		1						Yes No		
	AL	-						Yes		
	AM			<u> </u>				No		
						ļ		Yes		
	AN_			<u> </u>			<del></del>	No		
				1				Yes No		
	ΛΟ	_						Yes		
	AP						<u>.l</u>	No		
OTHER (Includin	g Author	, Title, D	ate, Pertinent Page	es, etc.)						
OTTE CENTER										
					ian DNA methyltransferase by	desvere of a 7n i	sinding regulatory d	lomain." <i>EMBO J</i> .		
١ ,	AR	3	Bestor, T.H., "Acti 11:2611-2617, Oxf	vation of mammali ford University Pre	ian DNA methyldransierase by t iss (1992)	cicavage of a Zir	Anding regulatory t	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
amh				_	,					
1	ļ									
1		١, ا	Brandeis, M., et al.	, "The ontogeny o	f allele-specific methylation ass	sociated with imp	rinted genes in the r	nouse," <i>EMBO J</i> .		
1 1	AS	3	12:3669-3677, Oxf	ford University Pre	ss (1993)					
1 1 /		Brockdorff, N., "Convergent themes in X chromosome inactivation and autosomal imprinting," in Genomic Imprinting, Reik, W., and Surani, A., eds., Oxford University Press, Oxford, UK, pp. 191-210 (December 1997)								
<i> </i>  .	AT									
		W., and Suram, A., cas., Oxidia differenty frees, Oxidia, Original pp. 171-314 (1990)								
<u> </u>	L .,_	نــِــــــــــــــــــــــــــــــــــ			1 -1					
EXAMINER Q	wHo	rri	DATE CONSIDER	RED (b)	3(2506					
EXAMINER: Init	tial if refe	rence cor	nsidered, whether or	not citation is in c	onformance with MPEP 609.	Draw line through	citation if not in co	nformance and not		
considered. Includ	e copy of	this form	with next commun	ication to Applican	it					

DIESTMATION DISCLOSURE STATEMENT

FORM PTO-1449

TRANSPORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 0609.4560003/JAG/KRM/DJN	APPLICATION NO. 10/623,813
APPLICANT Li et al.	
FILING DATE July 22, 2003	GROUP To Be Assigned

							·		
U.S. PATENT DO	CUMEN'	rs			<del></del>	<del></del>		<del></del>	
EXAMINER INITIAL			MENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA							ļ	
	AB								
	AC								
	AD							ļ	
	ΑE							<u> </u>	
	AF				·				
	AG								
	АН					<u> </u>		ļ	
	ΑĬ							<u> </u>	
<del></del>	AJ							ļ	
	AK								
FOREIGN PATE		UMENT	s						
EXAMINER	1					CLASS	SUB-CLASS	TRANSLATION	
INITIAL		DOCU	MENT NUMBER	DATE	COUNTRY	CLASS	30B-CLA33	Yes	
	AL			·				No	
	1					-		Yes No	
	AM	<b>.</b>		<u> </u>			<u> </u>	Yes	
	AN							No No	
						•		Yes No	
	AO	<del>                                     </del>						Yes	
·	AP	<u> </u>					<u> </u>	No	
OTHER (Includi	ng Autho	r, Title, I	ate, Pertinent Page	es, etc.)					
	AR	4	Chaillet, J.R., et al Progressively Chai	., "Parental-Specion nges during Embr	fic Methylation of an Imprinted Trans yogenesis," <i>Cell 66:77-</i> 83, Cell Press	gene in Estab (1991)	lished during Gan	netogenesis and	
	AS	4	Chen, T., et al., "A Novel Dnmt3a Isoform Produced from an Alternative Promoter Localizes to Euchromatin and Its Expression Correlates with Active de Novo Methylation," J. Biol. Chem. 277:38746-38754, The American Society for Biochemistry and Molecular Biology, Inc. (October 2002)						
	AT	4	Cheng, X., "Structure and function of DNA methyltransferases," Annu. Rev. Biophys. Biomol. Struct. 24:293-318, Annual Reviews, Inc. (1995)						
EXAMINER		J	DATE CONSIDE	RED					
DV44400000 :			neidered subather or	not citation is in	conformance with MPEP 609. Draw	line through o	itation if not in co	onformance and not	
considered. Inclu	de copy o	f this for	n with next commun	ication to Applica	int.				

Page	٢	٥f	1	1

JAN 2 0 2004 U FORM PTO-1449

ADSTANCE FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 0609.4560003/JAG/KRM/DJN

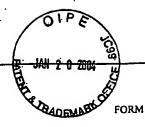
APPLICATION NO. 10/623,813\_\_\_\_\_

APPLICANT

Li et al.

FILING DATE July 22, 2003

AA AB AB AC AC AD AD AE AE AF AF AG AG AH AI AX FOREIGN PATENT DOCUMENTS  EXAMINER NITIAL AL AM AN	EXAMINER INITIAL		DOCU	MENT NUMBER_	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
AB  AC  AD  AE  AF  AG  AH  AI  AI  AI  AK  CORRIGN PATENT DOCUMENTS  EXAMINER  DOCUMENT NUMBER  DATE  COUNTRY  CLASS  SUB-CLASS  TRANSLATION  AN  AN  AN  AN  AN  AN  AN  AN  AN		AA			. –						
AD  AE  AF  AG  AG  AH  AI  AI  AI  AV  AK  OREIGN PATENT DOCUMENTS  XAMINER NITIAL  AL  AM  AN  AN  AN  AN  AN  AN  AN  AN  AN											
AE  AF  AG  AG  AH  AI  AI  AI  AI  AK  CORREIGN PATENT DOCUMENTS  EXAMINER  NITIAL  AL  AM  AN  AN  AN  AN  AN  AN  AN  AN  AN		AC									
AE  AF  AG  AH  AI  AU  AK  COREIGN PATENT DOCUMENTS  XAMINER  NITIAL  AL  AM  AN  AN  AN  AN  AN  AN  AN  AN  AN		AD									
AG  AH  AI  AJ  AK  COREIGN PATENT DOCUMENTS  EXAMINER NITIAL  AL  AM  AN  AN  AN  AN  AN  AN  AN  AN  AN		AE									
AH  AI  AI  AI  AN  AK  **COREIGN PATENT DOCUMENTS**  **EXAMINER NITIAL**  **DOCUMENT NUMBER**  DOCUMENT NUMBER**  DATE  COUNTRY  CLASS  **SUB-CLASS  TRANSLATION  Y  AM  AN  AN  AN  AN  AN  AN  AN  AN  AO  **OTHER (Including Author, Title, Date, Pertinent Pages, etc.)  AR  **Einnegan, E.J., and Dennis, E.S., "Isolation and identification by sequence homology of a putative cytosine methyltransferase from Arabidopais thalluna," Nucl. Acids Res. 21:2383-2388, Oxford University Press (1993)  AS  **Einnegan, E.J., and Dennis, E.S., "Isolation and identification by sequence homology of a putative cytosine methyltransferase from Arabidopais thalluna," Nucl. Acids Res. 21:2383-2388, Oxford University Press (1993)  AS  **Elynn, J., et al., "Murine DNA Cytosine-C <sup>3</sup> Methyltransferase: Pre-Steady- and Steady-State Kinetic Analysis with Regulate DNA Sequences," Blochem. 35:7308-7315, American Chemical Society (1996)  AT  **Elynn, J., et al., "DNA Binding Discrimination of the Murine DNA Cytosine-C <sup>3</sup> Methyltransferase," J. Mol. Biol. 279:101-1  ACCADEMIC PRESS (May 1998)		AF									
AI AJ AK  FOREIGN PATENT DOCUMENTS  EXAMINER NITIAL  AL  AM  AN  AN  AN  AN  AN  AN  AN  AN  AN		AG							<u> </u>		
AX AK  **CORRIGN PATENT DOCUMENTS  EXAMINER NITIAL  AL  AM  AN  AN  AN  AN  AN  AN  AN  AP  **DTHER (Including Author, Title, Date, Pertinent Pages, etc.)  AR  \$\frac{2}{2}\$  Finnegan, E.J., and Dennis, E.S., "Isolation and identification by sequence homology of a putative cytosine methyltransferase from Arabidopsis thallana," Nucl. Acids Res. 21:2383-2388, Oxford University Press (1993)  AS  \$\frac{2}{2}\$  Flynn, J., et al., "Murine DNA Cytosine-C\$ Methyltransferase: Pre-Steady- and Steady-State Kinetic Analysis with Regulate DNA Sequences," Biochem. 35:7308-7315, American Chemical Society (1996)  AT  \$\frac{2}{2}\$  Flynn, J., et al., "DNA Binding Discrimination of the Murine DNA Cytosine-C\$ Methyltransferase." J. Mol. Biol. 279:101-1 Academic Press (May 1998)		AH							ļ		
AX  FOREIGN PATENT DOCUMENTS  CAMINER NITIAL  DOCUMENT NUMBER  DATE  COUNTRY  CLASS  SUB-CLASS  TRANSLATIO  AL  AM  AN  AN  AN  AN  AP  DTHER (Including Author, Title, Date, Pertinent Pages, etc.)  Finnegan, E.J., and Dennis, E.S., "Isolation and identification by sequence homology of a putative cytosine methyltransferas from Arabidopsis thaliana," Nucl. Acids Res. 21:2383-2388, Oxford University Press (1993)  AS  Flynn, J., et al., "Murinc DNA Cytosine-C' Methyltransferase: Pre-Steady- and Steady-State Kinetic Analysis with Regulate DNA Sequences," Biochem. 35:7308-7315, American Chemical Society (1996)  AT  Flynn, J., et al., "DNA Binding Discrimination of the Murine DNA Cytosine-C' Methyltransferase." J. Mol. Biol. 279:101-14.		ΑI							\ <u></u>		
EXAMINER NITIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION ALL AM AM AN AN AN AP DOTHER (Including Author, Title, Date, Pertinent Pages, etc.)  AR 5 Finnegan, E.J., and Dennis, E.S., "Isolation and identification by sequence homology of a putative cytosine methyltransferase from Arabidopsis thallana," Nucl. Acids Res. 21:2383-2388, Oxford University Press (1991)  AS 2 Flynn, J., et al., "Murine DNA Cytosine-C <sup>3</sup> Methyltransferase: Pre-Steady- and Steady-State Kinetic Analysis with Regulate DNA Sequences," Blochem. 35:7308-7315, American Chemical Society (1996)  AT 5 Flynn, J., et al., "DNA Binding Discrimination of the Murine DNA Cytosine-C <sup>3</sup> Methyltransferase." J. Mol. Biol. 279:101-14.		AJ							ļ		
AL  AN  AN  AN  AN  AN  AN  AN  AN  AN		AK	T					<u> </u>	<u> </u>		
AL  AN  AN  AN  AN  AN  AN  AN  AN  AN	OREIGN PAT	ENT DOC	UMENTS	3							
AN  AN  AN  AN  AP  DTHER (Including Author, Title, Date, Pertinent Pages, etc.)  AR  \$  Finnegan, E.J., and Dennis, E.S., "Isolation and identification by sequence homology of a putative cytosine methyltransferas from Arabidopsis thaliana," Nucl. Acids Res. 21:2383-2388, Oxford University Press (1993)  AS  \$  Flynn, J., et al., "Murine DNA Cytosine-C-1 Methyltransferase: Pre-Steady- and Steady-State Kinetic Analysis with Regulate DNA Sequences," Blochem. 35:7308-7315, American Chemical Society (1996)  AT  \$  Flynn, J., et al., "DNA Binding Discrimination of the Murine DNA Cytosine-C-1 Methyltransferase," J. Mol. Biol. 279:101-1 Academic Press (May 1998)	XAMINER				DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
AN  AN  AO  AP  DTHER (Including Author, Title, Date, Pertinent Pages, etc.)  AR  5  Finnegan, E.J., and Dennis, E.S., "Isolation and identification by sequence homology of a putative cytosine methyltransferas from Arabidopsis thaliana," Nucl. Acids Res. 21:2383-2388, Oxford University Press (1993)  AS  5  Flynn, J., et al., "Murine DNA Cytosine-C <sup>3</sup> Methyltransferase: Pre-Steady- and Steady-State Kinetic Analysis with Regulated DNA Sequences," Blochem. 35:7308-7315, American Chemical Society (1996)  AT  5  Flynn, J., et al., "DNA Binding Discrimination of the Murine DNA Cytosine-C <sup>3</sup> Methyltransferase," J. Mol. Biol. 279:101-1 Academic Press (May 1998)		1		-			:		Ye N		
AN  AN  AN  AN  AP  DTHER (Including Author, Title, Date, Pertinent Pages, etc.)  AR  5  Finnegan, E.J., and Dennis, E.S., "Isolation and identification by sequence homology of a putative cytosine methyltransferas from Arabidopsis thaliana," Nucl. Acids Res. 21:2383-2388, Oxford University Press (1993)  AS  5  Flynn, J., et al., "Murine DNA Cytosine-C <sup>3</sup> Methyltransferase: Pre-Steady- and Steady-State Kinetic Analysis with Regulated DNA Sequences," Biochem. 35:7308-7315, American Chemical Society (1996)  AT  5  Flynn, J., et al., "DNA Binding Discrimination of the Murine DNA Cytosine-C <sup>3</sup> Methyltransferase," J. Mol. Biol. 279:101-14.  Academic Press (May 1998)		AL							Ye		
AN  AO  AP  OTHER (Including Author, Title, Date, Pertinent Pages, etc.)  AR  S  Finnegan, E.J., and Dennis, E.S., "Isolation and identification by sequence homology of a putative cytosine methyltransferas from Arabidopsis thaliana," Nucl. Acids Res. 21:2383-2388, Oxford University Press (1993)  AS  Flynn, J., et al., "Murine DNA Cytosine-C <sup>3</sup> Methyltransferase: Pre-Steady- and Steady-State Kinetic Analysis with Regulated DNA Sequences," Blochem. 35:7308-7315, American Chemical Society (1996)  AT  Flynn, J., et al., "DNA Binding Discrimination of the Murine DNA Cytosine-C <sup>3</sup> Methyltransferase," J. Mol. Biol. 279:101-14 Academic Press (May 1998)		AM	ļ						Ye		
AP  DTHER (Including Author, Title, Date, Pertinent Pages, etc.)  AR  5  Finnegan, E.J., and Dennis, E.S., "Isolation and identification by sequence homology of a putative cytosine methyltransferas from Arabidopsis thaliana," Nucl. Acids Res. 21:2383-2388, Oxford University Press (1993)  AS  5  Flynn, J., et al., "Murine DNA Cytosine-C <sup>3</sup> Methyltransferase: Pre-Steady- and Steady-State Kinetic Analysis with Regulate DNA Sequences," Blochem. 35:7308-7315, American Chemical Society (1996)  AT  5  Flynn, J., et al., "DNA Binding Discrimination of the Murine DNA Cytosine-C <sup>3</sup> Methyltransferase," J. Mol. Biol. 279:101-14.  ACCAPTABLE OF THE PROPERTY O		AN									
AP  DTHER (Including Author, Title, Date, Pertinent Pages, etc.)  AR  5 Finnegan, E.J., and Dennis, E.S., "Isolation and identification by sequence homology of a putative cytosine methyltransferas from Arabidopsis thaliana," Nucl. Acids Res. 21:2383-2388, Oxford University Press (1993)  AS  5 Flynn, J., et al., "Murine DNA Cytosine-C <sup>3</sup> Methyltransferase: Pre-Steady- and Steady-State Kinetic Analysis with Regulate DNA Sequences," Blochem. 35:7308-7315, American Chemical Society (1996)  AT  5 Flynn, J., et al., "DNA Binding Discrimination of the Murine DNA Cytosine-C <sup>3</sup> Methyltransferase," J. Mol. Biol. 279:101-14 Academic Press (May 1998)		1,0							Ye N		
AR 5 Flynn, J., et al., "DNA Binding Discrimination of the Murine DNA Cytosine-C <sup>3</sup> Methyltransferase," J. Mol. Biol. 279:101-1  AT 5 Flynn, J., et al., "DNA Binding Discrimination of the Murine DNA Cytosine-C <sup>3</sup> Methyltransferase," J. Mol. Biol. 279:101-1  ACCOUNTY ACCOUN	*								Yo		
Finnegan, E.J., and Dennis, E.S., "Isolation and identification by sequence homology of a putative cytosine methyltransferase from Arabidopsis thaliana," Nucl. Acids Res. 21:2383-2388, Oxford University Press (1993)  Flynn, J., et al., "Murine DNA Cytosine-C <sup>3</sup> Methyltransferase: Pre-Steady- and Steady-State Kinetic Analysis with Regulated DNA Sequences," Biochem. 35:7308-7315, American Chemical Society (1996)  Flynn, J., et al., "DNA Binding Discrimination of the Murine DNA Cytosine-C <sup>3</sup> Methyltransferase," J. Mol. Biol. 279:101-101-1011-1011-1011-1011-1011-1011-		AP			<u> </u>				<u> </u>		
Flynn, J., et al., "Murine DNA Cytosine-C <sup>3</sup> Methyltransferase: Pre-Steady- and Steady-State Kinetic Analysis with Regulated DNA Sequences," Biochem. 35:7308-7315, American Chemical Society (1996)  Flynn, J., et al., "DNA Binding Discrimination of the Murine DNA Cytosine-C <sup>3</sup> Methyltransferase," J. Mol. Biol. 279:101-1 Academic Press (May 1998)	OTHER (Includ	ing Autho	r, Title, D	ate, Pertinent Page	s, etc.)						
DNA Sequences," Biochem. 35:7308-7315, American Chemical Society (1996)  AT  5  Flynn, J., et al., "DNA Binding Discrimination of the Murine DNA Cytosine-C <sup>3</sup> Methyltransferase," J. Mol. Biol. 279:101-1 Academic Press (May 1998)		AR	<u>5</u>	Finnegan, E.J., and from Arabidopsis to	Dennis, E.S., "I haliana," Nucl	solation and identification b Acids Res. 21:2383-2388, O	y sequence homology of xford University Press (1	a putative cytosir 993)	ne methyltransferase		
Academic Press (May 1998)		AS	5	Flynn, J., et al., "Murine DNA Cytosine-C <sup>3</sup> Methyltransferase: Pre-Steady- and Steady-State Kinetic Analysis with Regulatory DNA Sequences," <i>Biochem. 35</i> :7308-7315, American Chemical Society (1996)							
DATE CONSIDERED		AT	<u>5</u>	Flynn, J., et al., "D Academic Press (N	NA Binding Di 14y 1998)	scrimination of the Murine I	DNA Cytosine-C <sup>5</sup> Methyl	Itransferase," <i>J. M</i>	<i>'ol. Biol. 279</i> :101-11		
EXAMINEK DATE CONTIDENCE	EXAMINER	l	1	DATE CONSIDER	RED						



INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 0609.4560003/JAG/KRM/DJN	APPLICATION NO. 10/623,813
APPLICANT Li et al.	•
FILING DATE July 22, 2003	GROUP To Be Assigned

U.S. PATENT D	OCUMEN	re								
	COMEN	<u> </u>		Ι						
EXAMINER INITIAL		DOCU	MENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA_									
	AB			ļ						
	AC			<u>.</u>		<u> </u>				
	AD									
	AE									
	AF						Ļ			
	AG						ļ			
	AH							ļ		
	A!							<u> </u>		
*	AJ						ļ			
	AK									
FOREIGN PAT		UMENT	<u> </u>							
	ENT DOC	I								
EXAMINER INITIAL		DOCL	JMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
								Yes No		
	AL	┼						Yes		
	AM	l	-					No		
								Yes		
	AN							No		
		1						Yes No		
	AO							Yes		
	AP							No		
OTUED (Indus		- Title I	Date, Pertinent Pag	es. etc.)						
OI HER (Includ	uing Autho	, 11116, 1	Jake, i eramem i ag							
							C 4	lishtal immeinte		
	AR	6	Hata, K., et al., "Dnmt3L cooperates with the Dnmt3 family of de novo DNA methyltransferases to establish mater in mice," Develop. 129:1983-1993, Company of Biologists Ltd. (April 2002)							
			in inice, Develop.	129.1903-1773,	. Company or Diological Dist					
		<u> </u>								
	l	1								
		1	Jähner, D., and Jaenisch, R., "DNA Methylation in Early Mammalian Development," in DNA Methylation. Biochemistry a Biological Significance, Razin, A., eds., Springer-Verlag, New York, NY, pp. 189-219 (1984)							
	AS	₫								
		1								
		+	<del> </del>							
•										
	AT	6		, "DNA methylt	ransferases affecting the se	quence 5'CCGG," Nuc	d. Acids Res. 9:2	753-2759, IRL Press		
	^'	-	(1981)							
							•			
EXAMINER			DATE CONSID	ERED						
			1			DED 600 Describes the	rough citation if	not in conformance		
EXAMINER:	Initial if re	ference	considered, whethe	r or not citation	is in conformance with Mi	rer duy. Litaw iine ui	ionkii eiranon II	no. In comprinance		
and not conside	cieu. Inciu	ae copy	Or and total with the	// VVIIIIIIIIIIIII						

OIPE		Page 7 of 1
B JAH 2 0 2004 1	ATTY. DOCKET NO. 0609.4560003/JAG/KRM/DJN	APPLICATION NO. 10/623,813
FORM PTO-1449	APPLICANT Li et al.	
ADEMANATION DISCLOSURE STATEMENT	FILING DATE July 22, 2003	GROUP To Be Assigned (643)

U.S. PATENT DO	CUMEN	TS									
EXAMINER											
INITIAL		DOCU NUMB	MENT IER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE			
	AA	·		<u></u>		ļ					
	AB_										
	AC_					-					
	AD			<u> </u>				<del> </del>			
	AE					<del>                                     </del>	<u></u> _				
	AF	<u> </u>				<del> </del>					
	AG					<del> </del>					
	AH	<u>'</u>		<u> </u>		<del> </del>		-			
	AI					<del> </del>		<del>                                     </del>			
	AJ_	ļ		<u> </u>		<del> </del>					
	AK			l		<u>.l</u>					
FOREIGN PATE	ENT DOC	UMEN	TS	1	<del></del>	т—	<del></del>	T			
EXAMINER INITIAL		DOCU	JMENT BER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION			
	AL							Yes No			
	AM							Yes No			
	AN							Yes No			
	AO					ļ		Yes No			
	AP							Yes No			
OTHER (Includi		or. Title.	Date, Pertinent I	Pages, etc.)							
ant	AR	1	loner BA and	Jones, P.A., and Gonzalgo, M.L., "Altered DNA methylation and genome instability: A new pathway to cancer?," Proc. Natl. Acad. Sci. USA 94:2103-2105, National Academy of Sciences (March 1997)							
	AS	2	Klimašauskas, S. IRL Press at Oxf	Klimašauskas, S., et al., "The sequence specificity domain of cytosine-C5 methlases," Nucl. Acids Res. 19:6183-6190, IRL Press at Oxford University Press (1991)							
	AT	2	Kumar, S., et al.,	Kumar, S., et al., "The DNA (cytosine-5) methyltransferases," Nucl. Acids Res. 22:1-10, Oxford University Press (1994)							
EXAMINER	uttar	hi	DATE CONSID	ered (5	13/2006						
EXAMINER: I	nitial if re	ference o	considered, whether	r or not citation is	in conformance with MPEP 609. C	raw line th	rough citation if	not in conformance			
and not considere	d. Includ	e copy o	of this form with no	ext communication	п по дриневис						

_	_		
Page	Q	~€	10
TAXE	0	OI.	12

AN 2 0 2004 INFORMATION DISCLOSURE STATEMENT

FORM PTO-1449

and not considered. Include copy of this form with next communication to Applicant.

ATTY. DOCKET NO. 0609.4560003/JAG/KRM/DJN APPLICATION NO. 10/623,813

APPLICANT

Li et al. **FILING DATE** 

July 22, 2003

GROUP

To Be Assigned 643

**U.S. PATENT DOCUMENTS EXAMINER** SUB-CLASS **FILING DATE** CLASS DOCUMENT DATE NAME INITIAL NUMBER AA ΑB AC ΑD AE ΑF AG AH ΑJ ΑJ ΑK FOREIGN PATENT DOCUMENTS **EXAMINER** SUB-CLASS TRANSLATION CLASS DATE COUNTRY DOCUMENT INITIAL NUMBER Yes No AL Ycs No Yes No Yes No ΑO Yes No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Laird, P.W., and Jaenisch, R., "The Role of DNA Methylation in Cancer Genetics and Epigenetics," Annu. Rev. Genet. AR 8 30:441-464, Annual Reviews Inc. (1996) and Lauster, R., et al., "Cytosine-specific Type II DNA Methyltransferases. A Conserved Enzyme Core with Variable AS 8 Target-recognizing Domains," J. Mol. Biol. 206:305-312, Academic Press Ltd. (1989) Lazar, E., et al., "Transforming Growth Factor a: Mutation of Aspartic Acid 47 and Leucine 48 Results in Different Biological Activities," Mol. Cell. Biol. 8:1247-1252, American Society for Microbiology (1988) ΑT 8 15/13/2506 **DATE CONSIDERED** EXAMINER/ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

Page	9	of	19

FORM PION PROPERTY OF THE PROP

ATTY, DOCKET NO. 0609.4560003/JAG/KRM/DJN

APPLICATION NO. 10/623,813

APPLICANT

Li et al.

FILING DATE July 22, 2003

GROUP 1643

U.S. PATENT DO	CUMEN	NTS						<u> </u>		
EXAMINER INITIAL		DOCU NUMB		DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA						<u> </u>			
	AB									
	AC									
	AD									
	AE									
	AF									
	AG							<del> </del>		
	AH							<del> </del>		
1	AL	<u> </u>			_	_		<del> </del>		
	AJ							<del> </del>		
	AK	<u>L</u>						\		
FOREIGN PATE	ENT DO	CUMEN	TS	<u> </u>		<u> </u>	<u> </u>			
EXAMINER INITIAL		DOCU	MENT BER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
	AL			30	·			Yes No		
	AM							Yes No		
	AN							Yes No		
•	AO							Yes No		
	АР						·	Yes No		
OTHER (Includ	ing Auth	or, Title.	Date, Pertinent	Pages, etc.)						
amh	AR	2	Lei. H., et al., "	De novo DNA cy	viosine methyltransferase activities f Biologists Ltd. (1996)	in mouse embr	yonic stem cells,	" Development		
	AS	2	Leonhardt, H., o Mammalian Nu	Leonhardt, H., et al., "A Targeting Sequence Directs DNA Methyltransferase to Sites of DNA Replication in Mammalian Nuclei," Cell 71:865-873, Cell Press (1992)						
	АТ	2	Li, E., et al., "Targeted Mutation of the DNA Methyltransferase Gene Results in Embryonic Lethality," Cell 69:915-926, Cell Press (1992)							
EXAMINER (	III HE	Mri	DATE CONSI	DERED (5	13/2006					
EXAMINER: In	nitial if re	ference o	considered, wheth	er or not citation	is in conformance with MPEP 609	. Draw line th	rough citation if	not in conformance		

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 0609.4560003/JAG/KRM/DJN APPLICATION NO.

10/623,813

APPLICANT

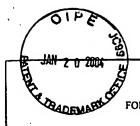
Li et al.

FILING DATE July 22, 2003

To Be Assigned 1643 GROUP

Page 10 of 19

U.S. PATENT DO	CUME	NTS						,		
EXAMINER						G. 455	CITID OF ACC	FR DIC DATE		
INITIAL		DOCU NUME	MENT BER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA					<u> </u>				
	AB				·					
	AC					<del> </del>	<u> </u>			
	AD	ļ		<del> </del>	<del></del>	<del> </del>				
<u> </u>	AE									
	AF					+		-		
	AG			<del> </del>		1		<del>                                     </del>		
	AH			ļ. ———		<del> </del>				
	AI	ļ				<del> </del>				
	AJ	<del> </del>				<del>                                     </del>		_		
	AK	L		<u> </u>		1		<u> </u>		
FOREIGN PATE	ENT DO	CUMEN	TS	<del></del>		1	<u> </u>			
EXAMINER INITIAL		DOCU	JMENT BER	DATE	COUNTRY	CLASS	SUB-ĆLASS	TRANSLATION		
	AL							Yes No		
	АМ							Yes No		
	AN							Yes No		
	AO							Yes No		
	AP							Yes No		
OTHER (leaded)		Title	, Date, Pertinent l	Pages etc.)						
anh	AR	<u>10</u>	Li F. "Role of E	NA methylation	in mammalian development," in <i>Gen</i> UK, pp. 1-20 (December 1997)	omic Impri	nting, Reik, W., 2	and Surani, A., eds.,		
	AS	10	Malagnac, F., et of Eukaryotic Di	Malagnac, F., et al., "A Gene Essential for De Novo Methylation and Development in Ascobolus Reveals a Novel Type of Eukaryotic DNA Methyltransferase Structure," Cell 91:281-290, Cell Press (October 1997)						
	АТ	10	Narayan, A., et al., "Hypomethylation of Pericentromeric DNA in Breast Adenocarcinomas," Int. J. Cancer 77:833-838, Wiley-Liss, Inc. (September 1998)							
EXAMINER	inta	Vii	DATE CONSID	ERED ( ( 1	3(2886					
EXAMINER: In	nitial if re	ference o	considered, whether	r or not citation is	s in conformance with MPEP 609. D	raw line th	rough citation if t	not in conformance		



INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 0609.4560003/IAG/KRM/DJN

APPLICATION NO. 10/623,813

APPLICANT

Li et al.

FILING DATE GROUP
July 22, 2003 To Be Assigned

1643

U.S. PATENT DOCUMENTS **EXAMINER** SUB-CLASS **FILING DATE** CLASS DATE NAME DOCUMENT INITIAL NUMBER AA ΑB AC AD ΑE ΑF AG ΑH ΑI ΑJ ΑK FOREIGN PATENT DOCUMENTS EXAMINER CLASS SUB-CLASS TRANSLATION COUNTRY DATE DOCUMENT INITIAL NUMBER Yes No AL Yes No AM Yes No AN Yes No AO Yes No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Okano, M., et al., "Dnmt2 is not required for de novo and maintenance methylation of viral DNA in embryonic stem AR П cells," Nucl. Acids Res. 26:2536-2540, Oxford University Press (June 1998)

DUPLICATE REFERENCE Okano, M., et al., "Cloning and characterization of a family of novel mammalian DNA (cytosine-5) methyltransferases," AS <u>11</u> Nat. Genet. 19:219-220, Nature Publishing Group (July 1998) amb Okano, M., et al., "DNA Methyltransferases Dnmt3a and Dnmt3b Are Essential for De Novo Methylation and 11 Mammalian Development," Cell 99:247-257, Cell Press (October 1999) 10/13/2006 EXAMINER OW DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

and not considered. Include copy of this form with next communication to Applicant.

	Page 12 of 19
ATTY. DOCKET NO. 0609.4560003/JAG/KRM/DJN	APPLICATION NO. 10/623,813
APPLICANT Li et al.	
FILING DATE July 22, 2003	GROUP To Be Assigned 1643

R JAN 2 n	2 11 20014				0609.4560003/JAG/KRM/DJN 10/623,813				
FORM PTO-1449  FORM PTO-1449  ARREST MATION DISCLOSURE STATEMENT				APPLICANT Li et al.					
A TRAINERS	AMATIO	N DISCI	LOSURE STATEM	MENT	FILING DATE July 22, 2003			GROUP In the Assigned 1643	
				-					
U.S. PATENT D	OCUME	NTS							
EXAMINER INITIAL			IMENT BER	DATE	NAME .		CLASS	SUB-CLASS	FILING DATE
1	AA							· · ·	
	AB	ļ		<u> </u>		·	•	· · · · · · · · · · · · · · · · · ·	
	AC	<u> </u>			<del>                                     </del>				
	AD		<u> </u>	<del> </del>	<del>- </del>				
	AE _	<u>i</u>		<del> </del>	<del> </del>	<del>-</del>		<u> </u>	
	AF			-					
<del></del> -	AG	<u> </u>							
	AI			<del>                                     </del>					
	AJ								
	AK								
FOREIGN PAT	ENT DO	CUMEN	TS					····	
EXAMINER INITIAL		DOCU NUMI	JMENT BER	DATE	COUNTRY	. <u> </u>	CLASS	SUB-CLASS	TRANSLATION
	AL				<u>.</u>				Yes No
	AM								Yes No
				:					Yes No
	AN_								Yes No
	AO			<del>                                     </del>					Yes No
	AP		D . D	Donas eta)	<u> </u>			<u> </u>	
OTHER (Includ	ing Auth	or, Title	, Date, Pertinent I		-				H & Market
sent	AR	12	Okano, M., and 1 /32:2462S-2465S	.i, E., "Genetic A S, American Insti	nalyses of DNA Methyltra tute of Nutrition (August 2	ansterase Ger 2002)	nes in Mo	use Model System	n, J. Nuir.
	AS	12	Pradhan, S., et al., "Baculovirus-mediated expression and characterization of the full-length murine DNA methyltrans ferase," Nucl. Acids Res. 25:4666-4673, Oxford University Press (November 1997)						
	АТ	12	Qu, GZ., et al., different maligna	"Satellite DNA hant potential," <i>Mu</i>	ypomethylation vs. overal tat. Res. 423:91-101, Elsev	Il genomic hy vier Science	ypomethy (January	lation in ovarian ( 1999)	epithelial tumors of
EXAMINER ()	אאוו	Mi.	DATE CONSID	ERED (8	13/2006			•	
EVAMINED: 1	airial ica	Secence	Considered whether		s in conformance with MP	EP 609. Dr	sw line th	rough citation if r	not in conformance
and not consider	muar ii re ed. Inclu	de copy o	of this form with ne	ext communication	n to Applicant.				·

OIPE		Page 13 of 1
B JAN 2 0 2004	ATTY. DOCKET NO. 0609.4560003/JAG/KRM/DJN	APPLICATION NO. 10/623,813
JAN 2 0 2004 4 FORM PTO-1449	APPLICANT Li et al.	
CONTRACTOR DISCLOSURE STATEMENT	FILING DATE July 22, 2003	GROUP To Be Assigned 1643

U.S. PATENT DO	CUMEN	TS				_			
	2301								
EXAMINER INITIAL		DOCU NUME	MENT BER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA								
	ÁB					<u> </u>			
	AC					ļ			
	AD_					<b> </b>			
	AE			ļ	·	ļ			
	AF					ļ			
	AG				· · · · · · · · · · · · · · · · · · ·	ļ		·	
	ΑН								
	ΑĪ					ļ			
	ΑJ			ļ		ļ			
	AK					<u></u>		L	
FOREIGN PATE	NT DOC	UMEN	TS			<del></del>			
EXAMINER					GOLD WITH V	CLASS	SUB-CLASS	TRANSLATION	
INITIAL		DOCU	JMENT BER	DATE	COUNTRY	CLASS	SUB-CLASS	ROANSEATION	
								Yes	
	AL				<del> </del>			No	
			•			Ī		Yes No	
	AM	-						Yes	
	AN					<del>                                     </del>		No	
								Yes No	
	AO			<del>                                     </del>		1		Yes	
	AP					<u> </u>		No	
OTHER (Includia	ne Autho	r, Title	, Date, Pertinent P	ages, etc.)				4	
Otti Zit (tillion		,						İ	
					ethylation and embryogensis," in DN	IA Mathylat	ion: Malecular R	tiology and	
1 /	AR	13	Razın, A., and Ce Biological Signifi	dar, H., "DNA me cance, Jost, J.P., a	and Saluz, H.P., eds., Birkhäuser Ve	rlag, Basel,	Switzerland, pp.	343-357 (1993)	
any									
<u> </u>									
[									
	AS	<u>13</u>	Reid, G.K., et al.,	"Selective inhibit	tion of DNA methyltransferase enzy	mes as a no	vel strategy for c	ancer treatment,"	
	,,,,	-	Curr. Opin. Mol.	Iner. 4:130-137,	Current Drugs (April 2002)				
					•				
1 1/			Robertson, K.D.,	et al., "The human	n DNA methyltransferases (DNMTs	) 1, 3a and	3b: coordinate mi	RNA expression in	
\/	AT	13	Robertson, K.D., et al., "The human DNA methyltransferases (DNMTs) 1, 3a and 3b: coordinate mRNA expression in normal tissues and overexpression in tumors," Nucl. Acids Res. 27:2291-2298, Oxford University Press (June 1999)						
EXAMINER ()	MALLA	الملأ	DATE CONSIDE	ERED (57)	3 (2506				
	~~ (d)	١٥٥٥	<u>}</u>			row line the	ough citation if a	ent in conformance	
and not considered	itial if ref I. Includ	erence o	considered, whether of this form with ne	r or not citation is at communication	in conformance with MPEP 609. D	ien ille uli	-5.1 viacion 11 1		



INFORMATION DISCLOSURE STATEMENT

and not considered. Include copy of this form with next communication to Applicant.

ATTY. DOCKET NO. 0609.4560003/JAG/KRM/DJN

APPLICATION NO. 10/623,813

APPLICANT

Li et al.

FILING DATE
July 22, 2003

GROUP 1643

**U.S. PATENT DOCUMENTS EXAMINER** CLASS SUB-CLASS **FILING DATE** DOCUMENT DATE NAME INITIAL NUMBER AA ΑB АÇ AD ΑĒ AF ΑG ΑH Αľ ΑJ ΑK FOREIGN PATENT DOCUMENTS **EXAMINER** SUB-CLASS TRANSLATION CLASS COUNTRY DATE INITIAL DOCUMENT NUMBER Yes No ΑL Yes No ΑM Yes No AN Yes No ΑO Yes No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Stöger, R., et al., "Maternal-Specific Methylation of the Imprinted Mouse Igf2r Locus Identifies the Expressed Locus as AR <u>14</u> Carrying the Imprinting Signal," Cell 73:61-71, Cell Press (1993) Szyf, M., et al., "Induction of Myogenic Differentiation by an Expression Vector Encoding the DNA Methyltransferase cDNA Sequence in the Antisense Orientation," J. Biol. Chem. 267:12831-12836, The American Society for AS 14 Biochemistry and Molecular Biology, Inc. (1992) Szyf, M., and Detich, N., "Regulation of the DNA Methylation Machinery and Its Role in Cellular Transformation," in Progress in Nucleic Acid Research and Molecular Biology, Moldave, K., ed., Academic Press, San Diego, CA, pp. 47-AT 14 79 (August 2001) EXAMINER () **DATE CONSIDERED** 181 UNG EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

D		-6	
Page	13	ΟI	13

APPLICATION NO. 10/623,813 ATTY. DOCKET NO. 0609.4560003/JAG/KRM/DJN FORM PTO-1449

FORM PTO-1449

FORM PTO-1449 APPLICANT Li et al. FILING DATE July 22, 2003 GROUP To De Assigned 1643

U.S. PATENT DO	CUMEN	NTS		<del></del>				
	Comer							
EXAMINER INITIAL		DOCU NUMI	JMENT BER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA			<u> </u>				
. (3)	AB		•					
	AC		<u> </u>					
	AD					·		
	AE							
	AF							
	AG							
	АН					<u> </u>		
	Al							
	ΑJ							
· · · · · · · · · · · · · · · · · · ·	AK							
FOREIGN PATE	NT DOO	UMEN	ITS			.,		
EXAMINER								
INITIAL			JMENT	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
		NUM	BEK					Yes
	AL							No
						l		Yes
·	AM					<del> </del>		No.
	AN							Yes No
	Λ.,							Yes
	AO					<del> </del>		No
						İ		Yes No
	AP				<u> </u>	l		
OTHER (Includi	ng Autho	r, Title	, Date, Pertinent P.	ages, etc.)				
							•	
,	AR	<u>15</u>	Trasler, J.M., et al	, "DNA Methyltra	ansferase in Normal and Dnmt"/Dnm	na Mouse E	Embryos," <i>Dev. D</i>	yn. 206:239-247,
seul	AK	3.2	Wiley-Liss, Inc. (1	1996)			•	
00000								
1								
Ì			Trembley K.D. a	tal "A naternal-c	pecific methylation imprint marks the	he alleles o	f the mouse H19	gene," Nat. Genet.
	AS	15	9:407-413, Nature	Publishing Group	(1995)			
.								
<del>  </del>								
1,1,			motor KI are		and is assuited for establishment of	methylatio	n and expression	natterns of
\ /	ΑT	<u>15</u>	imprinted but not	of nonimprinted go	age is required for establishment of encs," Genes & Develop. 10:1008-10	020, Cold S	Spring Harbor La	boratory Press
\		_	(1996)	. •				
examiner (M	utw	Vis	DATE CONSIDE	RED ( 13	(2006			
EXAMINER: In	tial if ref	erence c	considered, whether	or not citation is in	n conformance with MPEP 609. Dr	aw line thro	ough citation if n	ot in conformance
and not considered	I. Include	е сору о	f this form with nex	t communication t	to Applicant.			

OIPE
JAN 2 0 ZODS
RM PTO-1449
TOTAL TION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 0609.4560003/JAG/KRM/DJN APPLICATION NO. 10/623,813

APPLICANT Li et al.

FILING DATE July 22, 2003

GROUP
To Be Assigned

ssigned 1643

U.S. PATENT DO	CUMEN	TS			r	<del></del>	<del></del>		
EXAMINER INITIAL		DOCU NUMB		DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA			•	·				
	AB								
	AC								
	AD		· · · · · · · · · · · · · · · · · · ·						
	AE								
	AF					<del>                                     </del>			
	AG								
	AH	•				<del> </del>			
	Al			<del>                                     </del>					
	AJ		<del></del>						
	AK	<u> </u>		<u>l</u>		<u> </u>	<u> </u>		
FOREIGN PATE	NT DOC	UMEN	TS	<u></u>	T	T			
EXAMINER INITIAL		DOCU	MENT BER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
	AL							Yes No	
	AM							Yes No	
								Yes No	
	AN				· · · · · · · · · · · · · · · · · · ·		-	Yes No	
	AO	<u> </u>						Yes No	
	AP			1	<u> </u>		<u> </u>	1.0	
OTHER (Including	ng Autho	r, Title,	Date, Pertinent P	ages, etc.)	•				
and	ÁR	<u>16</u>	Xie, S., et al., "Cl Elsevier Science I	oning, expression 3.V. (August 1999	and chromosome locations of the hu	man <i>DNM</i>	73 gene family,"	Gene 236:87-95,	
	AS	<u>16</u>	Yen, RW. C., et al., "Isolation and Characterization of the cDNA encoding human DNA methyltransferase," Nucl. Acids Res. 20:2287-2291, Oxford University Press (1992)						
	AT	16	Yoder, J.A., and Bestor, T.H., "A candidate mammalian DNA methyltransferase related to pmtlp of fission yeast," Hum. Mol. Genet. 7:279-284, Oxford University Press (February 1998)						
EXAMINER	WW	tris	DATE CONSIDE	(0)	3/2006				
EXAMINER: Initiand not considered	itial if rel	e copy o	onsidered, whether If this form with ne	or not citation is in the communication	in conformance with MPEP 609. Ditto Applicant.	raw line the	ough citation if r	ot in conformance	

_			
Page	17	~F	10
CORC		u	13

OIL	
JAN 2 0 2004	JCS
	FORM PTO-1449
INFORM	TION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 0609.4560003/JAG/KRM/DJN

APPLICATION NO. 10/623,813

APPLICANT Li et al.

FILING DATE July 22, 2003

EXAMINER NITIAL		DOCU NUME	MENT BER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA							·
	АВ							
	AC							
	AD							
	AE							
	AF							
	AG						ļ	
	AH							
	ΑĬ							
	AJ							
	AK							
OREIGN PAT	ENT DO	CUMEN	TS					
EXAMINER NITIAL			JMENT	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL							Yes No
	AM		<del></del>					Yes No
	AN							Yes No
	AO	<u> </u>						Yes No
	AP							Ye.
OTHER (Includ	ing Auth	or, Title	, Date, Pertinen	Pages, etc.)			<del> </del>	
amh	AR	<u>17</u>	Zuccotti, M., ar expression and	nd Monk, M., "M paternal X-inacti	tethylation of the mouse Xist givation," Nat. Genet. 9:316-32	ene in sperm and egg 0, Nature Publishing	zs correlates with Group (1995)	a imprinted <i>Xist</i>
	AS	17	International So Patent Office, I	earch Report for l Netherlands	International Application No.	PCT/US99/14373, m	ailed December	10, 1999, European
	AT	12	Dialog File 351, Accession No. 10305671, Derwent WPI English language abstract for WO 95/14772					
		عبب		DERED /				

FORM PTO-1449

FORM PTO-1449

ATTY. DOCKET NO. 0609.4560003/JAG/KRM/DJN APPLICATION NO. 10/623,813

APPLICANT

Li et al.

FILING DATE July 22, 2003

EXAMINER NITIAL		DOCU NUMI	JMENT BER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA									
	AB									
	AC									
	AD									
	AE									
	AF									
	AG									
	АН									
	Al	<u> </u>								
	AJ	<u> </u>								
	AK	<u> </u>					L	J		
FOREIGN PAT	ENT DO	CUMEN	NTS				1			
EXAMINER INITIAL		DOCU	UMENT BER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
	AL							Yes No		
	AM_						<u> </u>	- Ye		
	AN							Ye N		
	AO							Ye No		
	АР			·				Ye		
OTHER (Includ	ing Auth	or, Title	, Date, Pertinen	t Pages, etc.)						
amh	AR	18	GenCore database. Sequence alignment between SEO ID NO: 2 and Accession number AF067972 of Xie et al. Gene							
	AS	18	GenCore datab Okano et al. N	GenCore database. Sequence alignment between SEQ ID NO: 2 and Accession number AF068626 and AF068627 of Okano et al. Nat. Genet. 19(3): 219 and 220, 1998, 8 sheets						
	АТ	18	GenCore nucle 1999 paper and	GenCore nucleic acid and amino acid database. Sequence comparison between accession number AF067972 from Gence 1999 paper and Applicants' SEQ ID NO: 7 and 8, February 12, 2001						
EXAMINER ()	1/0	٦٠	DATE CONSI	DERED (	13/2006					

Page	١Q	ωf	1
rage	17	υı	

JAN 2 0 2004 CALEMATION DISCLOSURE STATEMENT

FORM PTO-1449

ATTY. DOCKET NO. 0609.4560003/JAG/KRM/DJN

APPLICATION NO. 10/623,813

APPLICANT

Li ei al.

FILING DATE July 22, 2003

GROUP To Bo-Assigned 1643

U.S. PATENT DO	CUMEN	ITS				1		
EXAMINER INITIAL		DOCU NUMB	MENT JER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA							
	AB							·
	AC					<del> </del>		
	AD					<del> </del>		<b></b>
	AE	<u> </u>				ļ	<u> </u>	· · ·
	AF					<del>-</del>		
	AG				<del>_</del>	-		· · · ·
	AH					<del> </del>		
	AI					<del> </del>		
<u> </u>	AJ	ļ		ļ			<del> </del>	
	AK	L					<u> </u>	<u>.                                    </u>
FOREIGN PATE	NT DOC	UMEN	TS	T		Τ		
EXAMINER INITIAL	:	DOCU	MENT BER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL							Yes No
	АМ							Yes No
*	AN							Yes No
								Yes No
	AO_	ļ — —						Yes No
	AP	<b>60:41</b>	Data Bankanak E	Pages ata)				
anh	AR	19 .	GenCore nucleic 9514772-A1 and	acid database. Se Applicants' SEQ	equence comparison between accessi ID NO: 1 and 3, June 1, 1995	on number	AAT21884 from	WO document
	AS	<u>19</u>	GenCore nucleic acid and amino acid database. Sequence comparison between sequence 47 of U.S. Patent 6,183,968 and Applicants' SEQ ID NO: 2 and 5-8, March 27, 1998					
V	AT	19	GenCore nucleic acid and amino acid database. Sequence comparison between sequence accession number AF069625 from Nature Genetics 1998 paper and Applicants' SEQ ID NO: 5 and 6, December 6, 1999					
EXAMINER	WHa	Min	DATE CONSIDI	ERED (6)1	3/2006			
EXAMINER: In	itial if re	ference o	considered, whether	r or not citation is ext communication	s in conformance with MPEP 609. In to Applicant.	raw line th	rough citation if	not in conformance